

**ENTERED**



PCT09

## RAW SEQUENCE LISTING

DATE: 05/22/2002

PATENT APPLICATION: US/09/719,494

TIME: 15:59:13

Input Set : A:\Mskp0421.app

Output Set: N:\CRF3\05222002\I719494.raw

```

3 <110> APPLICANT: Nikolic-Zugic, Janko
4     Dyall, Ruben
5     Houghton, Alan N.
7 <120> TITLE OF INVENTION: Vaccination Strategy to Prevent and Treat Cancers
9 <130> FILE REFERENCE: MSK.P-042-WO
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/719,494
C--> 12 <141> CURRENT FILING DATE: 2002-03-20
14 <150> PRIOR APPLICATION NUMBER: 60/106,339
15 <151> PRIOR FILING DATE: 1998-10-30
17 <150> PRIOR APPLICATION NUMBER: 60/089,055
18 <151> PRIOR FILING DATE: 1998-06-12
20 <160> NUMBER OF SEQ ID NOS: 23
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 12
26 <212> TYPE: PRT
27 <213> ORGANISM: Vesicular stomatitis virus
29 <220> FEATURE:
30 <223> OTHER INFORMATION: sorting signal for directing intracellular
31     transport of expressed antigens to the endoplasmic
32     reticulum
34 <400> SEQUENCE: 1
35 Pro Ser Arg Asp Arg Ser Arg His Asp Lys Ile His
36  1           5           10
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 17
41 <212> TYPE: PRT
42 <213> ORGANISM: Adenovirus
44 <220> FEATURE:
45 <223> OTHER INFORMATION: sorting signal for directing intracellular
46     transport of expressed antigens to the endoplasmic
47     reticulum
49 <400> SEQUENCE: 2
50 Met Arg Tyr Met Ile Leu Gly Leu Leu Ala Leu Ala Ala Val Cys Ser
51  1           5           10           15
53 Ala
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 8
59 <212> TYPE: PRT
60 <213> ORGANISM: Chicken
62 <220> FEATURE:
63 <223> OTHER INFORMATION: binding peptide
65 <400> SEQUENCE: 3

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/719,494

DATE: 05/22/2002

TIME: 15:59:13

Input Set : A:\Mskp0421.app

Output Set: N:\CRF3\05222002\I719494.raw

```

66 Ser Ile Ile Asn Phe Glu Lys Leu
67   1           5
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 9
72 <212> TYPE: PRT
73 <213> ORGANISM: Influenza
75 <220> FEATURE:
76 <223> OTHER INFORMATION: binding peptide
78 <400> SEQUENCE: 4
79 Gly Ile Leu Gly Phe Val Phe Thr Leu
80   1           5
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 9
85 <212> TYPE: PRT
86 <213> ORGANISM: HUMAN
88 <220> FEATURE:
89 <223> OTHER INFORMATION: telomerase reverse transcriptase peptide
91 <400> SEQUENCE: 5
92 Asp Val Leu Val His Leu Leu Ala Arg
93   1           5
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 9
98 <212> TYPE: PRT
99 <213> ORGANISM: HUMAN
101 <220> FEATURE:
102 <223> OTHER INFORMATION: CD20 peptide
104 <400> SEQUENCE: 6
105 Arg Met Ser Ser Leu Val Gly Pro Thr
106   1           5
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 9
111 <212> TYPE: PRT
112 <213> ORGANISM: HUMAN
114 <220> FEATURE:
115 <223> OTHER INFORMATION: CD20 peptide
117 <400> SEQUENCE: 7
118 Arg Met Ser Ser Leu Val Gly Pro Val
119   1           5
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 10
124 <212> TYPE: PRT
125 <213> ORGANISM: HUMAN
127 <220> FEATURE:
128 <223> OTHER INFORMATION: prostate specific antigen peptide
130 <400> SEQUENCE: 8
131 Leu Leu Gln Glu Arg Gly Val Ala Tyr Ile
132   1           5           10
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 8

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/719,494

DATE: 05/22/2002

TIME: 15:59:13

Input Set : A:\Mskp0421.app

Output Set: N:\CRF3\05222002\I719494.raw

```

137 <212> TYPE: PRT
138 <213> ORGANISM: Herpes simplex
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Herpes simplex virus glycoprotein B SEI peptide
143 <400> SEQUENCE: 9
144 Ser Glu Ile Glu Phe Ala Arg Leu
145   1           5
148 <210> SEQ ID NO: 10
149 <211> LENGTH: 8
150 <212> TYPE: PRT
151 <213> ORGANISM: Herpes simplex
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Herpes simplex virus glycoprotein B SSI peptide
156 <400> SEQUENCE: 10
157 Ser Ser Ile Glu Phe Ala Arg Leu
158   1           5
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 8
163 <212> TYPE: PRT
164 <213> ORGANISM: HUMAN
166 <220> FEATURE:
167 <223> OTHER INFORMATION: melanoma gp75 protein TWH peptide
169 <400> SEQUENCE: 11
170 Thr Trp His Arg Tyr His Leu Leu
171   1           5
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 8
176 <212> TYPE: PRT
177 <213> ORGANISM: HUMAN
179 <220> FEATURE:
180 <223> OTHER INFORMATION: melanoma gp75 protein TAY peptide
182 <400> SEQUENCE: 12
183 Thr Ala Tyr Arg Tyr His Leu Leu
184   1           5
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 39
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
194     primer
196 <400> SEQUENCE: 13
197 gggaagctta ccatgagata catgatacctg ggcctgctg
200 <210> SEQ ID NO: 14
201 <211> LENGTH: 39
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification

```

39

## RAW SEQUENCE LISTING

DATE: 05/22/2002

PATENT APPLICATION: US/09/719,494

TIME: 15:59:13

Input Set : A:\Mskp0421.app

Output Set: N:\CRF3\05222002\I719494.raw

```

207      primer
209 <400> SEQUENCE: 14
210 ggctgtgtgg ccctggccgc cgtgtgcagc gctgccagc          39
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 42
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
220      primer
222 <400> SEQUENCE: 15
223 tttctcgagt cacagcctgg cgaactcgat gctgctggca gc          42
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 42
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
233      primer
235 <400> SEQUENCE: 16
236 tttctcgagt cacagcctgg cgaactcgat cgagctggca gc          42
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 50
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
246      primer
248 <400> SEQUENCE: 17
249 gggaagctta ccatgagata catgatcctg ggctgtgtgg ccctggccgc          50
252 <210> SEQ ID NO: 18
253 <211> LENGTH: 36
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
259      primer
261 <400> SEQUENCE: 18
262 ggctgtgtgg ccctggccgc cgtgtgcagc gctgct          36
265 <210> SEQ ID NO: 19
266 <211> LENGTH: 45
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
272      primer
274 <400> SEQUENCE: 19
275 tttctcgagt cacagcaggt ggtatctgta ggcggtggca gcgct          45
278 <210> SEQ ID NO: 20

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/719,494

DATE: 05/22/2002

TIME: 15:59:13

Input Set : A:\Mskp0421.app

Output Set: N:\CRF3\05222002\I719494.raw

```

279 <211> LENGTH: 45
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification
285     primer
287 <400> SEQUENCE: 20
288 tttctcgagt cacagcaggt ggtatctgtg ccaggtggta gcgct                45
291 <210> SEQ ID NO: 21
292 <211> LENGTH: 10
293 <212> TYPE: PRT
294 <213> ORGANISM: Human immunodeficiency virus
296 <220> FEATURE:
297 <223> OTHER INFORMATION: HIV-10 peptide
299 <400> SEQUENCE: 21
300 Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
301   1             5                10
304 <210> SEQ ID NO: 22
305 <211> LENGTH: 17
306 <212> TYPE: PRT
307 <213> ORGANISM: HUMAN
309 <220> FEATURE:
310 <223> OTHER INFORMATION: endosomal sorting signal
312 <400> SEQUENCE: 22
313 Asp Asp Gln Arg Asp Leu Ile Ser Asn Asn Glu Gln Leu Pro Met Leu
314   1             5                10                15
316 Gly
320 <210> SEQ ID NO: 23
321 <211> LENGTH: 9
322 <212> TYPE: PRT
323 <213> ORGANISM: HUMAN
325 <220> FEATURE:
326 <223> OTHER INFORMATION: melanosomal protein sorting signal
328 <400> SEQUENCE: 23
329 Glu Ala Asn Gln Pro Leu Leu Thr Asp
330   1             5

```

VERIFICATION SUMMARY

DATE: 05/22/2002

PATENT APPLICATION: US/09/719,494

TIME: 15:59:14

Input Set : A:\Mskp0421.app

Output Set: N:\CRF3\05222002\I719494.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date